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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/796,810	03/09/2004	Bi Le-Khac	01-2629A	2046	
24114 7	590 02/03/2006		EXAM	EXAMINER	
LYONDELL CHEMICAL COMPANY			LANGEL, V	LANGEL, WAYNE A	
3801 WEST CHESTER PIKE NEWTOWN SOUARE, PA 19073			ART UNIT	PAPER NUMBER	
	,		1754		

DATE MAILED: 02/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		10/796,810	LE-KHAC ET AL.		
		Examiner	Art Unit		
		Wayne Langel	1754		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHC WHICI - Extens after S - If NO p - Failure Any re	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DASIONS of time may be available under the provisions of 37 CFR 1.13 (IX (6) MONTHS from the mailing date of this communication. Deniod for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, ply received by the Office later than three months after the mailing dipatent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. C (35 U.S.C. § 133).		
Status					
2a)☐ 3)☐ \$	Responsive to communication(s) filed on $\underline{22 De}$. This action is FINAL . 2b) \boxtimes This Since this application is in condition for allowar closed in accordance with the practice under <i>E</i>	action is non-final. nce except for formal matters, pro			
Dispositio	on of Claims				
5)	Claim(s) 1,8,9,11-13,19 and 20 is/are pending (a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) 1,8,9,11-13,19 and 20 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.			
Application	on Papers				
10)□ T	The specification is objected to by the Examine in the drawing(s) filed on is/are: a) access applicant may not request that any objection to the description of the description of the description of the correction of the oath or declaration is objected to by the Example 1.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority u	nder 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment((s)				
2) Notice 3) Inform	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date <u>12-22-05</u> .	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:			

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 8, 9, 11-13, 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Paparatto et al '983. Paparatto et al '983 teaches polymer-encapsulated palladium catalysts and their use for making hydrogen peroxide. (See Example 5.) The difference between the process disclosed by Paparatto et al '983, and that recited in applicants' claims, is that Paparatto et al '983 does not disclose that the support for the palladium should be a titanium zeolite. Paparatto et al '983 discloses in Paragragh [0039] that the catalyst support may be a zeolite. It would be prima facie obvious to employ a polystyrene-encapsulated palladium supported on a titanium zeolite as the catalyst in the process of Paparatto et al '983, since Paparatto et al '983 discloses that the support may be a zeolite, and there is no evidence on record of unexpected results which would emanate from the use of a titanium zeolite, as opposed to other types of zeolites as the catalyst support in the process of Paparatto et al '983.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne Langel whose telephone number is 571-272-1353. The examiner can normally be reached on Monday through Friday, 8 am - 3:30 pm Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on 571-272-1358. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wáyne Langel Primary Examiner Art Unit 1754
